

**PROJECT DESCRIPTION**

**GENERAL**

THIS PROJECT INVOLVES THE INSTALLATION OF VIDEO DETECTION CAMERAS AT THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF GREENSPRING AVENUE AND THE I-695 ON RAMP/OFF RAMP IN BALTIMORE COUNTY, MARYLAND. GREENSPRING AVENUE IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

**INTERSECTION OPERATION**

THE INTERSECTION OPERATION WILL REMAIN THE SAME.

**CONTROLLER REQUIREMENTS**

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.

**EQUIPMENT LIST "A"**

**A. EQUIPMENT TO BE SUPPLIED BY THE SHA**

QUANTITY	DESCRIPTION
1 EACH	VIDEO INTERFACE EQUIPMENT: 1-4 CAMERAS
16 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF : - 2 EACH R3-5(L) SIGN (30 IN. x 36 IN.) - MAST ARM MOUNT

**EQUIPMENT LIST "B"**

**B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR**

QUANTITY	DESCRIPTION
45 L.F.	24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
LUMP SUM	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT
190 L.F.	2 INCH SCHEDULE 80 PVC CONDUIT - TRENCHED
10 L.F.	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR WIRE SLEEVE
1 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
16 S.F.	INSTALL OVERHEAD SIGN
2 EACH	VIDEO DETECTION CAMERA
2 EACH	CONTROL CABLE, 500 FT. VIDEO DETECTION CAMERA TO CONTROLLER
2000 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
700 L.F.	LOOP WIRE ENCASED IN 1/4 INCH FLEXIBLE TUBING (NO. 14 A.W.G)
205 L.F.	SAW CUT FOR SIGNAL (LOOP DETECTOR)
11 S.F.	RELOCATE SIGNS FROM EXISTING OVERHEAD STRUCTURES
2 EACH	RELOCATE EXISTING SIGNAL HEAD

**PROJECT CONTACTS**

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. RANDALL SCOTT  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: (410) 321-2781/2785

MR. MIKE PASQUARIELLO  
ASST. DISTRICT UTILITY ENGINEER  
PHONE: (410) 321-2841

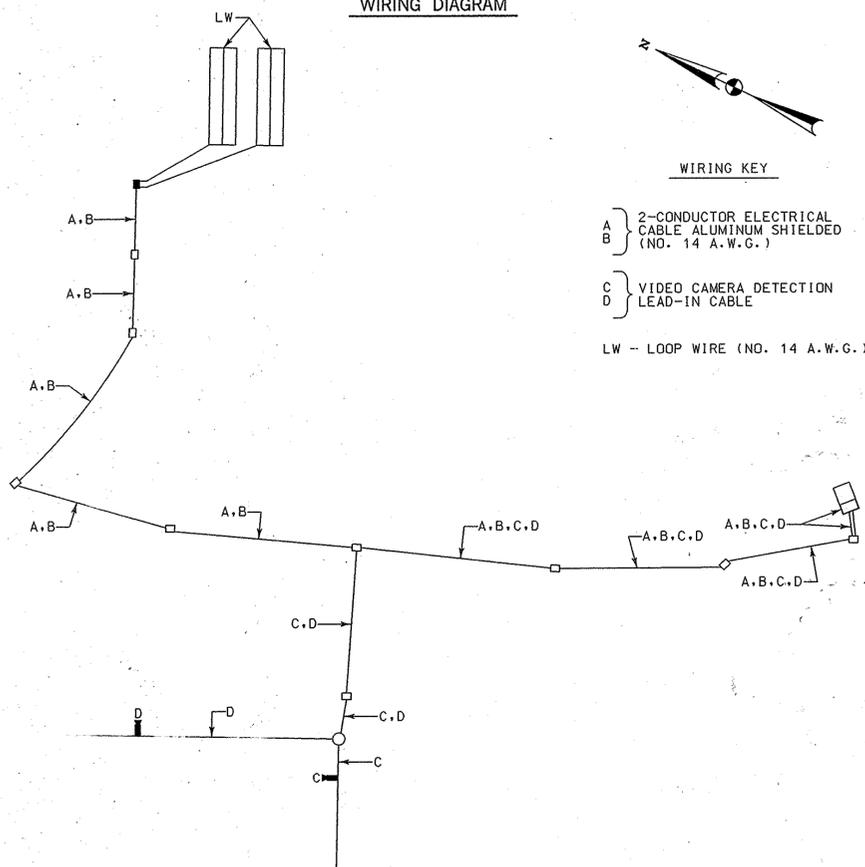
MR. STEVE MARCISZEWSKI  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
PHONE: (410) 321-2761

MR. RICHARD L. DAFF, SR.  
CHIEF, TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7630

**EQUIPMENT LIST "C"**

**C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA**  
ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

**WIRING DIAGRAM**



**PHASE CHART**

	1	2	3	4	5	6	7
PHASE 1 AND 6	G	G	R	R	R	R	R
1 AND 6 CHANGE	G	G	R	R	R	R	R
PHASE 2 AND 6	G	G	G	G	R	R	R
2 AND 6 CHANGE	Y	Y	Y	Y	R	R	R
PHASE 4	R	R	R	R	G	G	G
4 CHANGE	R	R	R	R	Y	Y	Y
FLASHING OPERATION	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/Y	FL/Y

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
I-695 INNER LOOP AT  
GREENSPRING AVENUE - RAMP 3

**WR&A**  
Whitman, Reardon  
and Associates, LLP  
801 South Caroline Street  
Baltimore, Maryland 21231  
(410) 235-3450

**GENERAL INFORMATION SHEET**

SCALE	NONE	DATE	12/22/2005	CONTRACT NO.	BA5035130
DESIGNED BY	S. BLOSS	COUNTY	BALTIMORE		
DRAWN BY	S. BLOSS	LOGMILE	031S069515.61		
CHECKED BY	N. LEARY	T. I. M. S. NO.	F085		
F. A. P. NO.	SEE TITLE SHEET	TOD NO.	TS-39568		
DRAWING NO.	TSP-2 - 2 OF 2	SHEET NO.	19 OF 20		

BY: SBLOSS